		Application No.	Applicant(s)	- Up
	Notice of Allowability	09/601,195	SAITO ET AL.	
	Nouce of Anowability	Examin r	Art Unit	
		Prasad R Akkapeddi	2871	
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiation of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
	1. This communication is responsive to <u>02/26/2004</u> .			
	2. The allowed claim(s) is/are <u>1-32</u> .			**************************************
	3. The drawings filed on 26 February 2004 are accepted by the	ne Examiner		
	 4. Acknowledgment is made of a claim for foreign priority une a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 	der 35 U.S.C. § 119(a)-(d) or (f)		
	2. U Certified copies of the priority documents have	been received in Application No).	
	3. LI Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).			
	* Certified copies not received:			
	Applicant has THREE MONTHS FROM THE "MAILING DATE" o noted below. Failure to timely comply will result in ABANDONME THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	ivi or unstapplication.		* *
1.	5. A SUBSTITUTE OATH OR DECLARATION must be submitt INFORMAL PATENT APPLICATION (PTO-152) which gives	reason(s) why the oath or decl	ER'S AMENDMENT or NOT aration is deficient.	ICE OF
6	5. L. CORRECTED DRAWINGS (as "replacement sheets") must	he submitted		
	(a) Li including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-048) attached			
	to Paper No./Mail Date			
	(b) ☐ including changes required by the attached Examiner's A Paper'No./Mail Date	· · · · · · · · · · · · · · · · · · ·		
	Identifying indicia such as the application number (see 37 CFR 1.84 each sheet. Replacement sheet(s) should be labeled as such in the	(c)) should be written on the dra header according to 37 CFR 1-12	wings in the front (not the ba	ck) of
7	. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FO	A DIOLOGICAL ALAMA		the
A1	ttachment(s) Notice of References Cited (PTO-892)	F 🗆 North Colonia		
2.	☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		Patent Application (PTO-15 (PTO-413)	2)
3.	☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date	Paper No./Mail D 7. ⊠ Examiner's Amend	ate	: .
4.	☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's Staten 9. □ Other	nent of Reasons for Allowan	ce
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DETAILED ACTION

EXAMINER'S AMENDMENT

The application has been amended as follows:

Specification

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The title has been changed as follows: "Liquid crystal device with an offset toward a clear viewing direction and projection type display device using the liquid crystal device".

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Response to Amendment

2. Applicant's arguments, see amendment, filed 02/26/2004, with respect to claims 1-30 have been fully considered and are persuasive. The rejection of 11/26/2003 has been withdrawn.

3. The Examiner thanks the applicant for providing a better explanation of the offset and the clear viewing direction and hence the previous objection has been withdrawn.

Allowable Subject Matter

- 4. Claims 1-32 are allowed.
- 5. The following is an examiner's statement of reasons for allowance:

A search of the prior art did not disclose a liquid crystal display device comprising a combination of structural elements, more specifically:

- (a) A first and second alignment layers aligning the liquid crystal such that there is a clear viewing direction and light incident from the clear viewing direction is greater than light incident from another direction having a component opposite to the coplanar component of the clear-viewing-direction:
- (b) A center position of the opening area formed in one of the first substrate and the second substrate is offset toward a clear viewing direction with respect to a center position of an opening area formed in another substrate from which light is transmitted.
- (c) The first and the second alignment layers aligning the liquid crystal into an alignment state that produces contrast characteristics showing directivity with

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a higher contrast ratio in a clear viewing direction than in a direction opposite of the clear viewing direction.

None of the prior art teaches the establishment of a clear viewing direction through the liquid crystal, and the offset of the substrates toward the clear viewing direction, by alignment of the liquid crystal by the first and second alignment layers.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prasad R Akkapeddi whose telephone number is 571-272-2285. The examiner can normally be reached on 7:00AM to 5:30PM M-Th.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert H Kim can be reached on 571-272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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PRA

Prasad R Akkapeddi, Ph.D. Examiner Art Unit 2871

> RIVERT H. KIM SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2800